

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6789029"	US-PGPUB; USPAT	OR	ON	2005/01/26 13:57
L2	17	("5387253"   "5400644"   "5481914"   "5515720"   "5576976"   "5600064"   "5604309"   "5608351"   "5672949"   "5703292"   "5841025"   "6311555"   "6386032"   "6456939"   "6494093"   "6508122"   "6651027").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/26 13:58
L3	487	702/76,77.ccls.	US-PGPUB; USPAT	OR	ON	2005/01/26 14:07
L4	679	73/503.3,504.02,504.04,504.12. ccls.	US-PGPUB; USPAT	OR	ON	2005/01/26 14:07
L5	726	331/1r,19,44.ccls.	US-PGPUB; USPAT	OR	ON	2005/01/26 14:07
L6	1889	3 or 4 or 5	US-PGPUB; USPAT	OR	ON	2005/01/26 14:07

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"20040078159.did"	US-PGPUB; USPAT	OR	ON	2005/01/26 10:36
L2	1	"20040078159".did.	US-PGPUB; USPAT	OR	ON	2005/01/26 10:38
L3	6	("6590460" "5889193" "6205838"  "6556929" "6462566" "6324910" ).PN.	US-PGPUB; USPAT	OR	ON	2005/01/26 10:42
L4	1	1 or "6789029".did.	US-PGPUB; USPAT	OR	ON	2005/01/26 10:42
L5	1	1 or "6789029".pn.	US-PGPUB; USPAT	OR	ON	2005/01/26 10:42
L6	2	2 or "6789029".pn.	US-PGPUB; USPAT	OR	ON	2005/01/26 10:42
L7	0	("2004/0078159").URPN.	USPAT	OR	ON	2005/01/26 10:42
L8	0	("6789029").URPN.	USPAT	OR	ON	2005/01/26 10:42

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	50	("5922954" "5361036" "5400269" "5444641" "5459432" "5487015" "5491725" "5576976" "4339959" "4471533" "4887081" "4945764" "4993274" "5239363" "5311538" "5465620" "6128954" "3882731" "3826575" "4010549" "4011440" "4258579" "4269073" "4270387" "4277173" "4280188" "4288050" "4326428" "4382234" "4384409" "4408882" "4420259" "4422762" "4430616" "4443952" "4445377" "4450407" "4452092" "4456376" "4459759" "4461996" "4467984" "4473297" "4472884" "4484284" "4498340" "4517565" "4522496" "4524357" "4525672").pn.	US-PGPUB; USPAT	OR	ON	2005/01/26 15:32

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10691306 on January 26, 2005

## Original Classifications

3 324/304  
3 340/995.28  
3 356/473  
2 33/304  
2 73/497  
2 73/504.12  
2 74/5.46  
2 356/464  
2 702/190

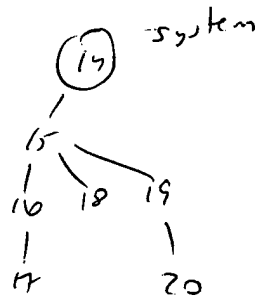
## Cross-Reference Classifications

3 33/312  
3 73/178R  
3 73/504.02  
3 324/300  
2 33/321  
2 33/356  
2 73/504.06  
2 73/504.12  
2 74/5.6E  
2 137/804  
2 329/356  
2 331/17  
2 331/27  
2 340/988  
2 701/220



## Combined Classifications

4 73/504.12  
4 340/995.28  
3 33/312  
3 73/178R  
3 73/504.02  
3 73/504.06  
3 324/300  
3 324/304  
3 356/473  
2 33/302  
2 33/304  
2 33/318  
2 33/321  
2 33/356  
2 73/497  
2 73/504.11  
2 74/5.46  
2 74/5.6E  
2 74/5.7  
2 74/5F  
2 137/804  
2 329/356  
2 331/10  
2 331/17  
2 331/27  
2 340/988  
2 356/464  
2 372/94  
2 701/220  
2 702/141



2 702/190

10691306\_CLS.txt

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10691306 on January 26, 2005

- 4    73/504.12    (2 OR, 2 XR)
  - Class    073 : MEASURING AND TESTING
  - 73/488    SPEED, VELOCITY, OR ACCELERATION
  - 73/504.02    .Angular rate using gyroscopic or Coriolis effect
  - 73/504.12    ..Vibratory mass
  
- 4    340/995.28    (3 OR, 1 XR)
  - Class    340 : COMMUNICATIONS: ELECTRICAL
  - 340/988    VEHICLE POSITION INDICATION
  - 340/995.1    .Map display
  - 340/995.28    ..Including particular position/direction sensor
  
- 3    33/312    (0 OR, 3 XR)
  - Class    033 : GEOMETRICAL INSTRUMENTS
  - 33/300    INDICATOR OF DIRECTION OF FORCE TRAVERSING NATURAL MEDIA
  - 33/304    .Borehole direction or inclination
  - 33/312    ..Electrical telemetering to read-out
  
- 3    73/178R    (0 OR, 3 XR)
  - Class    073 : MEASURING AND TESTING
  - 73/178R    NAVIGATION
  
- 3    73/504.02    (0 OR, 3 XR)
  - Class    073 : MEASURING AND TESTING
  - 73/488    SPEED, VELOCITY, OR ACCELERATION
  - 73/504.02    .Angular rate using gyroscopic or Coriolis effect
  
- 3    73/504.06    (1 OR, 2 XR)
  - Class    073 : MEASURING AND TESTING
  - 73/488    SPEED, VELOCITY, OR ACCELERATION
  - 73/504.02    .Angular rate using gyroscopic or Coriolis effect
  - 73/504.05    ..Fluid or fluent inertial mass (e.g., electrons, ions, plasma)
  - 73/504.06    ...Fluid jet
  
- 3    324/300    (0 OR, 3 XR)
  - Class    324 : ELECTRICITY: MEASURING AND TESTING
  - 324/300    PARTICLE PRECESSION RESONANCE
  
- 3    324/304    (3 OR, 0 XR)
  - Class    324 : ELECTRICITY: MEASURING AND TESTING
  - 324/300    PARTICLE PRECESSION RESONANCE
  - 324/304    .Using optical pumping or sensing device
  
- 3    356/473    (3 OR, 0 XR)
  - Class    356 : OPTICS: MEASURING AND TESTING
  - 356/450    BY LIGHT INTERFERENCE (E.G., INTERFEROMETER)
  - 356/459    .Rotation rate (e.g., ring laser gyros)
  - 356/472    ..Lock-in prevention
  - 356/473    ...Path length control (PLC)
  
- 2    33/302    (1 OR, 1 XR)
  - Class    033 : GEOMETRICAL INSTRUMENTS
  - 33/300    INDICATOR OF DIRECTION OF FORCE TRAVERSING

10691306\_CLSTITLES.txt  
NATURAL MEDIA

- 33/301 .Process
- 33/302 ..Borehole or tube interior study
  
- 2 33/304 (2 OR, 0 XR)  
 Class 033 : GEOMETRICAL INSTRUMENTS  
 33/300 INDICATOR OF DIRECTION OF FORCE TRAVERSING  
           NATURAL MEDIA  
 33/304 .Borehole direction or inclination
  
- 2 33/318 (1 OR, 1 XR)  
 Class 033 : GEOMETRICAL INSTRUMENTS  
 33/300 INDICATOR OF DIRECTION OF FORCE TRAVERSING  
           NATURAL MEDIA  
 33/318 .Gyroscopically controlled or stabilized
  
- 2 33/321 (0 OR, 2 XR)  
 Class 033 : GEOMETRICAL INSTRUMENTS  
 33/300 INDICATOR OF DIRECTION OF FORCE TRAVERSING  
           NATURAL MEDIA  
 33/318 .Gyroscopically controlled or stabilized  
 33/321 ..Plural gyroscopes (e.g., reference platform,  
           etc.)
  
- 2 33/356 (0 OR, 2 XR)  
 Class 033 : GEOMETRICAL INSTRUMENTS  
 33/300 INDICATOR OF DIRECTION OF FORCE TRAVERSING  
           NATURAL MEDIA  
 33/355R .Magnetic field responsive  
 33/356 ..Error indicator, preventor, or compensator
  
- 2 73/497 (2 OR, 0 XR)  
 Class 073 : MEASURING AND TESTING  
 73/488 SPEED, VELOCITY, OR ACCELERATION  
 73/497 .Temperature compensator
  
- 2 73/504.11 (1 OR, 1 XR)  
 Class 073 : MEASURING AND TESTING  
 73/488 SPEED, VELOCITY, OR ACCELERATION  
 73/504.02 .Angular rate using gyroscopic or Coriolis  
           effect  
 73/504.08 ..Rotary gyroscope  
 73/504.11 ...Flexible rotor or flexibly mounted rotor
  
- 2 74/5.46 (2 OR, 0 XR)  
 Class 074 : MACHINE ELEMENT OR MECHANISM  
 74/5R GYROSCOPES  
 74/5.4 .Gyroscope control  
 74/5.41 ..Erecting  
 74/5.46 ...By magnetic field
  
- 2 74/5.6E (0 OR, 2 XR)  
 Class 074 : MACHINE ELEMENT OR MECHANISM  
 74/5R GYROSCOPES  
 74/5.6R .With pick off  
 74/5.6E ..Electrical and magnetic
  
- 2 74/5.7 (1 OR, 1 XR)  
 Class 074 : MACHINE ELEMENT OR MECHANISM  
 74/5R GYROSCOPES  
 74/5.7 .With rotor drive
  
- 2 74/5F (1 OR, 1 XR)

Class 074 : MACHINE ELEMENT OR MECHANISM  
 74/5R GYROSCOPES  
 74/5F .Flexure hinges for gyros

2 137/804 (0 OR, 2 XR)  
 Class 137 : FLUID HANDLING  
 137/803 FLOW AFFECTED BY FLUID CONTACT, ENERGY FIELD OR  
 COANDA EFFECT (E.G., PURE FLUID DEVICE OR SYSTEM)  
 137/804 .Responsive to condition external of system

2 329/356 (0 OR, 2 XR)  
 Class 329 : DEMODULATORS  
 329/347 AMPLITUDE MODULATION DEMODULATOR  
 329/356 .Suppressed carrier double sideband type

2 331/10 (1 OR, 1 XR)  
 Class 331 : OSCILLATORS  
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE  
 OR FREQUENCY SENSING MEANS  
 331/10 .Plural A.F.S. for a single oscillator

2 331/17 (0 OR, 2 XR)  
 Class 331 : OSCILLATORS  
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE  
 OR FREQUENCY SENSING MEANS  
 331/17 .Particular error voltage control (e.g.,  
 integrating network)

2 331/27 (0 OR, 2 XR)  
 Class 331 : OSCILLATORS  
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE  
 OR FREQUENCY SENSING MEANS  
 331/18 .With reference oscillator or source  
 331/25 ..Signal or phase comparator  
 331/27 ...Plural active element (e.g., triodes)

2 340/988 (0 OR, 2 XR)  
 Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/988 VEHICLE POSITION INDICATION

2 356/464 (2 OR, 0 XR)  
 Class 356 : OPTICS: MEASURING AND TESTING  
 356/450 BY LIGHT INTERFERENCE (E.G., INTERFEROMETER)  
 356/459 .Rotation rate (e.g., ring laser gyros)  
 356/460 ..By fiber or waveguide interferometer (e.g.,  
 Sagnac effect)  
 356/464 ...Having null feedback loop

2 372/94 (1 OR, 1 XR)  
 Class 372 : COHERENT LIGHT GENERATORS  
 372/92 PARTICULAR RESONANT CAVITY  
 372/93 .Folded cavity  
 372/94 ..Having a ring configuration

2 701/220 (0 OR, 2 XR)  
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
 RELATIVE LOCATION  
 701/200 NAVIGATION  
 701/207 .Employing position determining equipment  
 701/220 ..Using inertial sensor

2 702/141 (1 OR, 1 XR)  
 Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR



10691306\_CLSTITLES.txt

702/127 TESTING  
702/141 MEASUREMENT SYSTEM  
Accelerometer

2 702/190 (2 OR, 0 XR)  
Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR  
TESTING  
702/127 MEASUREMENT SYSTEM  
702/189 .Measured signal processing  
702/190 ..Signal extraction or separation (e.g.,  
filtering)

PLUS Search Results for S/N 10691306, Searched January 26, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

5922954  
5361036  
5400269  
5444641  
5459432  
5487015  
5491725  
5576976  
4339959  
4471533  
4887081  
4945764  
4993274  
5239363  
5311538  
5465620  
6128954  
3882731  
3826575  
4010549  
4011440  
4258579  
4269073  
4270387  
4277173  
4280188  
4288050  
4326428  
4382234  
4384409  
4408882  
4420259  
4422762  
4430616  
4443952  
4445377  
4450407  
4452092  
4456376  
4459759  
4461996  
4467984  
4473297  
4472884  
4484284  
4498340  
4517565  
4522496  
4524357  
4525672

10691306\_QUAL.txt

5922954 99  
5361036 99  
5400269 99  
5444641 99  
5459432 99  
5487015 99  
5491725 99  
5576976 99  
4339959 99  
4471533 99  
4887081 99  
4945764 99  
4993274 99  
5239363 99  
5311538 99  
5465620 99  
6128954 99  
3882731 99  
3826575 99  
4010549 99  
4011440 99  
4258579 99  
4269073 99  
4270387 99  
4277173 99  
4280188 99  
4288050 99  
4326428 99  
4382234 99  
4384409 99  
4408882 99  
4420259 99  
4422762 99  
4430616 99  
4443952 99  
4445377 99  
4450407 99  
4452092 99  
4456376 99  
4459759 99  
4461996 99  
4467984 99  
4473297 99  
4472884 99  
4484284 99  
4498340 99  
4517565 99  
4522496 99  
4524357 99  
4525672 99